National Income at Nearly 70 Billion Dollars in 1939

By Robert R. Nathan, Chief, National Income Division

NATIONAL income in the United States in 1939 totaled nearly 70 billion dollars. Except for the 71.2 billion dollar total in 1937, the 69.4 billion dollar value of goods and services produced in 1939 was above that of any year since the 82.9 billion dollar peak recorded in 1929. With increased output in all industrial groups, the net value of production rose 5.8 billion dollars in 1939, or 9.1 percent, from the 63.6 billion dollar aggregate in 1938.

The large rise in 1939 resulted in considerable measure from the accelerated expansion in business activity which followed the outbreak of the war in September. As indicated by the index of income payments published regularly in the Survey of Current Business, the flow of income during the first half of 1939 was only moderately above the rate prevailing in 1938. During this 6-month period, the national income was being produced at an annual rate not much in excess of 65 billion dollars. A definite rise began in the summer of 1939, and at the time of the outbreak of war early in September the national income rate closely approximated the average level for the year.

Under the impetus of anticipated war demand and a resulting sharp expansion in inventories, production in many industries rose substantially in the final months of 1939. Prices also increased during the early weeks of the European conflict and generally were maintained throughout the closing months of the year. The enlarged output at higher prices raised the flow of national income by the year end to an annual rate in excess of 75 billion dollars. During the first 4 months of 1940, income contracted at approximately the same rate at which it had expanded in the final months of 1939; the flow of income in April 1940 had fallen to the 1939 average.

Income in Fixed Prices Probably at New Record in 1939.

The national income measured in prevailing prices reflects both changes in the quantity of goods and services produced and in the prices of these products. Changes in the dollar figures alone do not measure changes in the output of the Nation because of marked variations in the price level.

The "real" national income in 1939—that is, the dollar total adjusted for price changes—was at least equal to and probably above the previous record of 1929. Existing price series are not adequate to convert the dollar income figures into real income with precision, but the margin extant after making adjust-

ments with readily available price series indicates the probability of a new record level of production of goods and services in the United States in 1939. Since the population of the United States in 1939 was approximately 10 million larger than in 1929, however, there is little doubt that the per capita real income in 1939 continued well below that of 1929. The dollar national income in 1939 was 16.3 percent below the 1929 total, but prices, as reflected in available price indexes, showed larger declines over the period. The cost of living of urban wage workers was 17.4 percent less than in 1929 and wholesale prices were down 19.1 percent. Neither the wholesale price index, which is a particularly sensitive series, nor the cost-of-living index, which applies only to items included in the

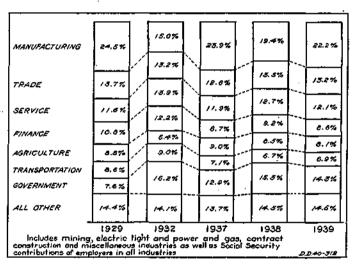


Figure 4.—Contributions to the National Income by Industrial Divisions, Selected Years, 1929-39.

budget of urban wage workers, is satisfactory for adjusting the dollar income figures for price changes. However, these price data and available production statistics warrant the conclusions drawn above.

Concepts and Terminology.

The national income is designed to measure the aggregate output resulting from economic activities in the United States. In other words, it is an aggregate of the value of all food, clothing, shelter, services, and capital equipment which are created through the efforts of the individuals in the nation. It is defined as the *net* value of all goods and services produced within a given period. The measure is net in the sense that the value of raw materials and of plant and equipment consumed in the process of production is

Table 1.-National Income, by Industrial Divisions

[Millions of dollars]

			[MIIIIOH2 O	1 dollars	·						
Item	19 29	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Total national income	82, 885	68, 901	54,310	40, 074	42, 430	50, 347	55, 870	65, 165	71, 172	63, 610	69, 378
Agriculture Mining Mining Electric light and power and gas Manufacturing Contract construction Transportation Communication Trade Finance Government, including work-program wages Government, excluding work-program wages Work-program wages	20,308 3,670 7,108 1,047 11,314 8,915 6,330 6,330	5, 622 1, 327 1, 324 14, 987 2, 759 6, 155 1, 011 9, 248 7, 836 6, 438 6, 438	3, 729 748 1, 240 10, 194 1, 862 4, 946 907 7, 415 6, 441 6, 518 6, 459	2, 551 524 1, 096 6, 009 906 3, 622 5, 220 4, 895 6, 487 8, 355	3, 419 590 1, 026 8, 162 3, 587 640 6, 31 4, 318 6, 563 5, 917 646	4, 558 991 1, 127 10, 510 735 3, 817 6, 971 4, 630 7, 632 6, 202 1, 430	5, 276 1, 028 1, 162 12, 402 964 4, 133 7, 608 5, 131 7, 923 6, 584 1, 339	5, 970 1, 299 1, 233 14, 978 1, 570 4, 795 770 8, 516 5, 749 9, 446 7, 063 2, 383	6, 378 1, 530 1, 380 16, 994 1, 902 5, 088 9, 181 6, 189 9, 153 7, 370 1, 788	5, 432 1, 072 1, 365 12, 359 1, 749 4, 261 8, 593 5, 837 9, 846 9, 701 2, 145	5, 635 1, 232 1, 384 15, 425 2, 148 4, 800 863 9, 135 5, 983 9, 884 8, 015 1, 869
Service Miscellaneous Social security contribution of employers	9, 615 i	8, 725 3, 472	7, 343 2, 967	5, 579 2, 398	5,321 2,192	6, 181 2, 518 3	6, 828 2, 695 7	7, 643 2, 897 299	8, 477 3, 161 950	8, 067 3, 102 1, 119	8, 374 3, 319 1, 196
			-		Percenta	ges of 19	2 9	<u>'</u>			·
Total national income	100.0	83. I	65. 5	48.3	51.2	60. 7	67.4	78.6	85. 9	76.7	83.7
Agriculture Mining Electric light and power and gas Manulacturing. Contract construction. Transportation. Communication. Trade Finance Government, including work-program wages. Government, excluding work-program wages. Service. Miscellaneous. Social security contributions of employers.	100, 0 100, 0	77. 5 70. 5 92. 9 73. 8 75. 2 86. 6 96. 6 96. 7 87. 9 101. 7 101. 7	51. 4 30. 7 87. 0 50. 2 50. 2 69. 6 65. 5 72. 2 103. 0 102. 0	35. 1 27. 8 76. 9 29. 6 24. 7 51. 0 69. 0 46. 8 54. 9 102. 5 100. 4 58. 0 59. 6	47. 1 31. 3 72. 0 40. 2 15. 8 50. 5 61. 1 53. 3 48. 4 103. 7 93. 5 55. 3 54. 6	62. 7 52. 6 79. 2 51. 8 20. 0 53. 7 64. 9 61. 6 98. 0 64. 3 62. 8	72. 7 51. 6 80. 8 61. 3 58. 1 69. 1 67. 2 57. 6 125. 2 104. 0	\$2,3 69,0 86,5 73,5 73,5 73,5 749,2 111,6	87. 9 81. 3 96. 8 53. 7 51. 6 80. 1 69. 4 144. 6 116. 4 88. 2 78. 8	74. 8 56. 9 95. 8 60. 9 47. 7 59. 9 77. 2 76. 0 05. 5 155. 5 121. 7	77. 6 65. 4 97. 1 76. 0 58. 5 67. 5 82. 4 80. 7 67. 1 156. 1 126. 6
Bureau of Labor Statistics wholesale price index	100. 0	90. 7	76. 6	68.0	69. 2	78.6	83. 9	84. 8	9B. 6	82.5	80. 9

I Estimates of dividends and interest and corporate savings for 1934 and for subsequent years are based on a different industrial classification than are the estimates of the items for earlier years because of a change in the Ravenue Act of 1934. Special tabulations from the Bureau of Internal Revenue permitted the making of estimates for 1934 on the earlier basis. For specific items in certain industries the variations are substantial, but for total income the changes were small and the two estimates were averaged.

deducted from the gross value of all goods and services produced. The value of capital consumption is represented by depreciation and depletion charges, which are deducted as a cost in arriving at the national income.

The national income is measured by adding together the net value of products of all producing units, including corporations, Government agencies, partnerships, and individual enterprises. Each of these producing units utilizes personal services and capital provided by individuals who both contribute to the productive process and share in its output. For their efforts, individuals receive income in the form of wages, salaries, interest, dividends, entrepreneurial withdrawals, and net rents. When these distributive shares are less than the net value of product, business enterprises retain undistributed earnings or positive savings. If income disbursed exceeds income produced, the difference, which represents a draft upon net worth, is termed "negative savings." Income disbursed plus business savings equals the national income. Thus, the national income is a measure of the net value of goods and services produced and also of the claims over these goods and services.

The concepts, terminology, and methods of measurement underlying the estimates presented in this article are generally the same as those presented in previous publications of the Department of Commerce. There have been moderate revisions in the estimates as new source material has become available. In the figures presented in this article, an appreciable increase in the estimates for the power and gas industry for all years has resulted from the inclusion of natural-gas activities for the first time in this study. The estimates of dividends and corporate savings for 1937 have been revised on the basis of corporate income tax return data from the Bureau of Internal Revenue. The 1938 and 1939 figures for these items are preliminary pending the publication of the income tax data for these years.

Manufacturing Up One-fourth in 1939.

The business decline in 1938 and the subsequent recovery in 1939 were characterized by marked fluctuations in the output of the commodity-producing industries, which include agriculture, mining, manufacturing, and construction work done under contract. These industries accounted for more than 80 percent of the income decline in 1938 and two-thirds of the recovery in 1939. Thus, the cyclical decline in business activity which began in the fall of 1937 and continued through the first half of 1938 was largely confined to those areas of the economy which produce commodities, as contrasted with those creating serv-

ices. The durable-goods industries, in particular, revealed sharp declines, with the non-durable-goods industries falling to a lesser extent and the service industries showing only moderate curtailment.

The same general pattern is shown for the 1939 expansion. Both manufacturing and construction increased by approximately one-fourth in 1939, with mining showing a gain of 15 percent and transportation a rise of 13 percent. For all other industrial groups the gains varied from a fractional rise for government to 7 percent in the communication industry. The expansion in regular government activities was offset by the drop of nearly 300 million dollars in work-project wages.

Despite the 25-percent rise in 1939, the net value of product of all manufacturing industries was one-fourth lower in 1939 than in 1929. The income of agriculture was also nearly one-fourth below that of 1929, and mining continued more than one-third under the total of that year. After a moderate decline in 1938, construction increased in 1939 to the highest volume since 1930. Income produced in this industry declined more during the depression than that of any other industrial area, with the 1933 total being barely a sixth of the 1929 aggregate. Recovery in construction was slow through 1935 but thereafter it was rapid, with 1939 nearly 60 percent of the 1929 figure. Among public

utilities, the power and gas industry revealed approximately the same income produced in 1939 as in 1929, whereas the communication industry was one-sixth lower. Government's contribution to the national income in 1939, including the work program, was more than half again as large as in 1929. Excluding work programs, the value of services rendered by all government agencies in 1939 was one-fourth above the 1929 total.

Income Disbursed in Larger Amount in 1939.

As indicated earlier, the national income is determined by adding together the income paid out by all producing units plus their positive or negative business savings. The estimate of business savings, being a residual item, is subject to a considerable margin of error and must be used with caution. All of the limitations of financial-statement items resulting from accounting techniques not adapted to economic purposes tend to be centered in the savings item. Also, in the field of agriculture the break-down of net income of farmers between the withdrawals of the farm operator and business savings of the farm enterprise is based largely on arbitrary assumptions pending further data now in the process of preparation by the Bureau of Agricultural Economics.

In 1938 the national income was nearly 1.5 billion

Table 2,-Income Paid Out, by Type of Payment

[Millions of dollars] 1933 1934 1935 1936 1937 1938 1939 1929 1930 1936 1932 Item 45, 515 64, 151 70, 262 65,007 74, 211 51.788 55, 896 68,600 62,816Total income paid out. 80, 611 49, 289 37, 239 35, 397 4, 032 9, 666 21, 699 1, 842 1, 339 47, 542 44, 209 4, 881 13, 068 26, 260 3, 333 1, 783 950 600 31, 516 30, 953 3, 588 6, 482 20, 883 563 132 52, 776 52, 344 6, 153 14, 915 31, 276 432 47, 919 47, 469 5, 959 12, 332 29, 178 450 40, 362 39, 857 4, 928 9, 371 25, 558 505 59 34, 247 32, 385 3, 760 8, 515 20, 110 42,703 39,408 4,370 11,166 44, 301 40, 423 4, 536 10, 232 Total compensation of employees..... tal compensation of employees
Total salaries and wages
Salaries (selected industries)!
Wages (selected industries)!
Salaries and wages (all other industries)
Total supplements to salaries and wages
Work-program wages !
Social security contributions of employers
Other labor income 28, 531 3, 260 6, 786 18, 485 4,652 11,630 26,794 3,692 1,869 1,196 10, 232 25, 655 3, 878 2, 145 1, 119 614 23, 962 3, 205 2, 383 299 1,061 1,862 1,430 646 432 450 446 431 415 498 11,851 5,945 5,906 10, 270 4, 280 5, 990 7, 351 2, 193 5, 158 7,937 8, 055 2, 931 5, 124 9, 721 9, 794 4, 752 5, 042 8, 258 3, 370 4, 888 8, 956 4, 124 4, 832 8,393 2,727 Total dividends and interest 11, 715 vidends.... 5, 634 6, 081 2,725 5,212 4, 651 5, 070 Interest 5,666 8, 911 1, 691 Entrepreneurial withdrawals.
Net rents and royalties 9,818 1,909 10, 826 2, 050 Percentages of 1929 100.0 79.6 87. 2 80. 6 85.1 Total income paid out...... 92.1 77.9 61. 1 56, 5 64.2 69.3 76. 5 76. 1 80. 1 62. 8 81. 7 116. 9 88.6 82.3 75.6 78.0 85.7 854.6 100. 0 100. 0 100. 0 100. 0 100. 0 100. 0 90.8 90.7 96.8 82.7 93.3 104.2 56. 1 54. 5 63. 0 45. 5 59. 1 245. 6 64. 9 61. 9 61. 1 57. 1 64. 3 431. 0 90. 1 84. 5 79. 3 87. 6 84. 0 771. 8 83. 9 77. 2 73. 7 68. 6 82. 0 897. 7 59. 7 59. 1 58. 3 43. 5 66. 8 130. 3 Total compensation of employees Ial compensation of employees
Total salaries and wages
Salaries (selected industries)!
Wages (selected industries)!
Salaries and wages (all other industries)
Total supplements to salaries and wages
Work-program wages 2
Social security contributions of employers
Other labor income 67. 8 65. 5 64. 8 69. 4 426. 4 75.5 71.0 96. 1 121. i 138, 9 142. 1 145. 1 100, 0 104. 2 103.2 99.8 99. 3 114.8 75. 6 69. 4 81. 8 98. 9 94. 8 103. 0 70.8 45.9 95.9 67. 0 45. 8 88. 2 68. 0 49. 3 86. 8 82.6 79.9 85.4 69. 7 56. 7 82. 8 86. 7 72. 0 101. 4 Total dividends and interest 62.0 82.0 vidends..... 100.0 100.0 78. 2 85. 8 36. 9 87. 3 Interest. $94.3 \\ 79.5$ 80.4 60.5 58.4 35.9 70.6 50.3 83.4 Bureau of Labor Statistics cost-of-living index..... 100.0 97. 5 89.1 80.2 76. 2 79, 1 81.1 82.1 84.7 82.6

¹ Includes mining, manufacturing, steam railroads, Pullman, railway express, and water transportation.
¹ Includes pay rolls and maintenance of Civilian Conservation Corps enrollees and pay rolls of Civil Works Administration, Federal Emergency Relief Administration, and the Federal Works Program projects plus administrative pay rolls outside of Washington, D. C., for all except the Federal Works Program. Area Statistical Office employees and their pay rolls under the Federal Works Program are included with the regular Federal Government employment and pay-roll figures.

dollars below the total income disbursed, indicating that part of the income distributed came from the existing resources of business enterprises rather than exclusively from current production. For corporations, negative savings in 1938 are estimated at more than 2 billion dollars, which was in part offset by positive savings (primarily in agriculture) for noncorporate enterprises. Preliminary estimates based upon published statements of corporations reveal a sharp drop to about one-quarter billion dollars in negative corporate savings for 1939. For noncorporate enterprises, savings are estimated to be positive to the extent of approximately 1 billion dollars in 1939. Thus, while income disbursed in 1938 was nearly 1.5 billion above the national income, in 1939 the national income exceeded income disbursed by about half that amount. Income distributed rose 3.6 billion dollars in 1939, as compared with a rise of 5.8 billion dollars in the national income.

Disbursements for the services of employees increased from 44.3 billion dollars in 1938 to 46.8 billion dollars in 1939. Exclusive of work-project wages the increase was 2.8 billion dollars, or 6.5 percent. Work-project wages were nearly 13 percent lower in 1939 than in the preceding year. In those industries in which salaries and wages could be segregated, the fluctuations in wages continued to exceed those in salaries. Salaries in these industries were only slightly higher in 1939 than in 1938, while wages in the same industries rose nearly 14 percent. In 1938, wages fell more than one-fifth, as compared with a drop of less than one-tenth in salaries. With no major change in pay-roll tax rates, Social Security contributions of employees in 1939 closely paralleled the rise in all wages and salaries.

After the sharp decline of nearly 30 percent in 1938, dividend payments rose substantially in 1939, recovering more than half of the previous year's decline. Although the total of dividends paid in 1939 was nearly double that of 1933, it was approximately 30 percent below the 1929 peak. Interest payments declined slightly in 1939, extending the downward trend which began in

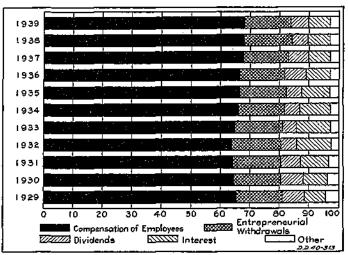


Figure 5.—Percentage Distribution of Income Paid Out by Type of Payment, 1929-39.

1931. The 1939 total was about one-fifth less than the peak figure recorded in 1930. The fall in interest payments since 1930 has resulted from widespread mortgage and bond defaults and a large amount of refinancing at lower interest rates.

Percentage Distribution of Income Components.

With the exception of a rather substantial increase in dividends and a decline in entrepreneurial withdrawals and work-program wages, the component elements of income paid out in 1939 remained in much the same relationship to total disbursements as that which Compensation of employees prevailed in 1938. accounted for 68.2 percent of the total income disbursed in 1939, fractionally above the 1938 proportion and the highest proportion for any of the years covered by the Department of Commerce estimates. Salaries and wages excluding work-project wages accounted for 62.8 percent of the 1939 income paid out. Workproject wages represented 2.7 percent of the total. Social Security contributions of employers, which are included in the income distributed since they accrue to the benefit of the employees, comprised slightly less than 2 percent of income paid out.

Table 3.—Percentage Distribution of Income Paid Out by Type of Payment

Item	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
Total income paid out.	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0
Total compensation of employees Total salaries and wages Total saplements to salaries and wages Work-program wages Social security contributions of employers	65. 0 5	64.6 64.0 .6	64.3 63.5 .8 .1	63.9 62.7 1.2 .3	65.0 62.7 2.3 1.4	66.1 62.5 8.6 2.7	66. 6 63. 3 3. 3 2, 4	66.6 61.6 5.0 3.7	67.7 62.9 4.8 2.5	68.1 62.2 5.9 3.3	68.2 62.8 5.4 2.7 1.8
Other labor income	.5	. 6	.7	,9	.9	.9	.9	.8	.9	.9	.9
Total dividends and interest	14.7 7.4 7.8	15.8 7.6 8.2	16.3 6.8 9.5	17.0 5.5 11.5	16, 2 4, 8 11, 4	15. 4 5. 3 10. 1	14.4 5.2 9.2	15. 2 7. 3 7. 0	13, 9 6, 7 7, 2	12.7 5.2 7.5	13. 1 6. 0 7. 1
Entrepreneurial withdrawals. Net rents and royalties.	15.6 4.2	16.0 3.6	16, 2 3. 2	16.6 2.5	16.1 2.7	15, 7 2, 8	16.0 3.0	15. 2 3. 0	15.4 3.0	16.2 3.0	15.7 3.0

Includes pay roll and maintenance of Civilian Conservation Corps enrollees and pay rolls of Civil Works Administration, Federal Emergency Relief Administration and the Federal Works Program projects plus administrative pay rolls outside of Washington, D. C., for all except the Federal Works Program. Area Statistical Office employees and their pay rolls under the Federal Works Program are included with the regular Federal Government employment and pay-roll figures.

Following a sharp decline to a new low of 12.7 percent in 1938, combined dividend and interest payments accounted for a slightly larger percentage of the total income paid out in 1939. However, the 13.1 percent of income paid out which took the form of dividends and interest was lower than in any other year studied except for 1938. Dividends accounted for 6 percent of income disbursements in 1939, as compared with 5.2 percent in 1938 and a high of 7.6 percent in 1930. Interest payments represented a new low in 1939 of only 7.1 percent of total income disbursed. Rents continued to account for about 3 percent of total income disbursed in 1939.

Employment and Per Capita Earnings Higher in 1939.

Table 4 shows that both the number of employees and their per capita income was higher in 1939 than in 1938. Average annual earnings per full-time worker in all industries increased from \$1,284 in 1938 to \$1,329 in 1939. The average in 1939 was higher than in any year since 1931. It should be noted that average earnings per employee do not represent the average earnings of all workers who were employed at any time during the year, but rather the average earnings per worker who appeared on pay rolls regularly. In a few instances it is possible to adjust for part-time work within pay periods; but, by and large, the number of

workers used for deriving average annual earnings represents an average of the number working in each pay period. Therefore, *full-time* as used here means regularly throughout the year, but not necessarily full-time within each week or month.

A comparison of changes in the per capita income of employees and in the Bureau of Labor Statistics index of cost of living of urban wage earners indicates a considerably higher real income per full-time worker in 1939 than in any previous year. It should be noted, however, that with a marked increase in unemployment in 1939 relative to 1929, the employed workers probably are not, in many instances, engaged full time; and, also, they must support other employable persons in their families without jobs. However, the figures do indicate higher rates of return in terms of goods and services for each fully employed worker.

The figures in table 5 reveal trends from year to year in salaries and wages of workers for approximately 40 industrial categories. In this break-down it is interesting to note the marked divergencies among industries in pay-roll changes from year to year and from one phase of the business cycle to another. In 1939 wages declined in agriculture and remained practically unchanged in such areas as the mining industry, the food and tobacco industry, the power and gas industry, and others. On the other hand, substantial increases (as large as 25 percent, or more) are shown for the

Table 4.—Number of Employees and the Per Capita Income of Employees 1

Item	1929	1936	1931	1932	1933	1934	1935	1936	1937	1938	1939
NUMBER OF EMPLOYEES (PHOUSANDS)				i				ĺ		,	
All employees 2	35, 563	33, 122	29, 715	26, 222	26, 133	28, 402	29, 725	31, 858	33, 768	31, 23 9	32,419
Salaried employees (selected industries) ³	2, 478 10, 964	2, 373 9, 649	2, 050 3, 155	1, 693 6, 877	1, 634 7, 430	1, 831 8, 553	1, 922 9, 021	2, 068 9, 765	2, 206 10, 618	2,064 8,832	2, 100 9, 404
tries)	22, 121	21, 200	19, 510	17, 652	17, 069	18, 018	18, 782	20, 025	20, 944	20, 343	20, 915
PER CAPITA INCOME OF EMPLOYEES				·					į		
All employees 2	\$1, 472	\$1, 483	\$1,341	\$1, 180	\$1,092	\$1, 140	\$1, 191	\$1, 240	\$1,309	\$1, 294	\$1,329
Salaried employees (selected industries) 3	2, 483 1, 360	2, 511 1, 278	2, 404 1, 149	2, 119 943	1, 995 913	2, 054 996	2, 098 1, 071	2, 113 1, 143	2, 213 1, 231	2, 198 1, 159	2, 215 1, 237
tries)	1,414	1,383	1,310	1, 183	1, 083	1, 116	1, 155	1, 197	1, 254	1, 261	1, 281
(Percentages of 1929									<u>-</u> <u>-</u>	
NUMBER OF EMPLOYEES											
All employees t	100. 0	93. 1	83.6	78.7	73. 5	79. 9	83.6	89.6	95.0	87.8	91. 2
Salaried employees (selected industries) 3	100. 0 100. 0	95. 8 . 88. 0	82.7 (74.4	68. 3 62. 7	65. 9 67. 8	7 3.9 78.0	77. 6 82. 3	83. 5 89. 1	89. 0 96. 8	83. 3 80. 6	84.7 85.8
tries)	100.0	95.4	88. 2	79,8	77. 2	81. 5	84.9	90. 5	94.7	92. 0	94. 5
PER CAPITA INCOME OF EMPLOYEES							j				
All employees 2	100.0	97.4	91.1	80.2	74. 2	77.4	80. 9	84. 2	88.9	87.9	90.3
Salaried employees (selected industries)	100. 0 100. 0	101. 1 94. 0	96.8 84.5	85. 3 69. 3	80. 3 67. 1	82. 7 73. 2	84. 5 78. 8	85. 1 84. 0	89. 1 94. 5	88. 5 90. 5	89, 2 91, 0
Wage earners (selected industries) *	-507.5	I									
Wage earners (selected industries) * Salaried comployees or wage earners (all other indus- tries)	100.0	97. 8	92.6	83.7	76. 6	78.9	81.7	84.7	88.7	89. 2	90.6

The estimates of the number employed are averages for the year and represent full-time-equivalent numbers for industries in which data permit such adjustments.

Does not include employers and self-employed persons, such as farmers, merchants, independent professional practitioners, etc., nor work project employees and unpaid family farm labor.

Includes mining, manufacturing, steam railroads, Pullman, railway express, and water transportation.

metal and metal-products industry and the construction industry. Similarly, the declines from 1929 to the depression lows and the subsequent recoveries varied

subgroups. Pay rolls in 1939 were higher than in 1929 in the food and tobacco, air transportation, electric light and power, gas, and professional-service indusgreatly among different major industrial groups and | tries, as well as in all of the categories of government.

Table 5.—Total Compensation of Employees, by Industrial Groups, 1929-39

	Absolute numbers (in millions of dollars)											Percentages of 1929											
Item	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939		
Total compensation of employees ¹ Total salaries and wages	52, 776 52, 344	47, 919 47, 469	40, 362 39, 857	31, 516 30, 953	29, 5 92 28, 531	34, 247 32, 385	37, 239 35, 397	42, 703 39, 498	47, 542 44, 209	44, 301 40, 423	46, 768 43, 076	90. 8 90. 7	76.5 76.1	59. 7 59. 1	56, 1 54, 5		70, 6 67, 6		90. 1 84. 5	83. 9 77. 2	88.6 82.3		
Agriculture, total Mining, total Anthracite Bituminous coal Metal Nonmetal Oil and gas Manufacturing, total Food and tobacco Paper, printing and publish-	257 636	247 531	1,027 200 401	709 148 275	128 297 57 62 181 7, 464	233 9, 311	639 996 135 443 99 84 237 10, 493 I, 329	520 138 105 240 11, 914	534 205 120 279 13, 963	1,046 101 416 142	104 423 187 125 250 12,678	96. 3 83. 5 83. 5	77.8 63.1 52.4 71.5 59.8 67.0	45. 5 44. 3 56. 8 43. 2 26. 9 45. 0 47. 1 46. 9 65. 6	45.3 49.8 46.7 26.9 41.1 52.3	59. 4 59. 5 64. 9 36. 3 50. 3 67. 3 59. 1	52, 5 69, 7 46, 7 55, 6 68, 5	50. 2 81. 8 65. 1 69. 5 69. 4 75. 6	47. 9 84. 0 96. 7 79. 5 80. 6 88. 6	39, 3 65, 4 67, 0 76, 2	66.1 40.5 66.5 74.1 82.8 72.3		
ing the sand leather	1, 615 2, 898 1, 811	2,412	2, 108	1,528	950 1,676 608	1, 093 1, 957 759	1, 168 2, 175 896	1, 266 2, 268 1, 100		1, 351 2, 054 1, 057	1, 395 2, 241 1, 199	83. 2	72.7	65. 8 52, 7 32. 6	58.8 57.8 33.6	67. 7 67. 5 41. 9	72.3 75.1 49.5	78.3	83, 5	83. 7 70. 9 58. 4	77.3		
Chemicals and petroleum re- fining	858 5, 812 622 600, 3, 065 4, 939	817 4,698 521 598 2,302	672 3, 273 400 487 1, 620	526 2, 038 285 344 865	530	031 2, 911 364 328 638	677 3, 511 399 338 793 3, 104	721 4, 335 461 345 1, 257 3, 495	850 5, 498 534 376 1, 528	785 3, 784 425 361 1, 385	815	95. 2 80. 8 83. 8 99. 7 75. 1 90. 9	78. 3 56. 3 64. 3 81. 2 52. 9	61. 3 35. 1 45. 8 57. 3 28. 2	61.8 35.7 46.5 48.7 17.2 52.7	78.5 80.1 58.5 54.7	78. 9 60. 4 64. 1 56. 3 25. 9 62. 8	84.0 74.6 74.1 57.5 41.0	99, I 94, 6, 85, 9 62, 7 49, 9	91.5	95.0 79.6 78.5 61.2 54.4		
Steam railroads, Pullman and express Water transportation Motor transportation and	8, 228 472		374	ı	1, 560 297	1, 689 3 23	1, 831 876	2,056 434	2, 218 507	I, 961 417	2,089 456	88. 3 93, 9	72.3 79.2	52, 2 6 0, 4	48. 3 62. 9	52. 3 58. 4	56. 7 79. 7	63. 7 91. 9	68.7 107.4	60. 7 88. 3	96.6		
public warehouses. Street railways Air transportation Pipe lines Power and gas, total Electric light and power. Gas Communication, total Telephone Telegraph Trade, total Retail trade. Wholesale trade. Finance, total Banking Insurance.	719 464 6 50 656 439 217 707 590 5, 218 3, 089 2, 503 809 984	434 9 44 651	12 40 584 396 183 641 587 104 6, 716	483 312 171 534 458 76	435 268 13 30 450 286 164 462 394 4,709 2,980 1,729 1,729 1,705 534 763	498 281 14 85 497 313 184 492 415 7, 209 3, 224 1, 985 1, 764 803	558. 285 16 38. 540. 342. 198. 507. 432. 75. 510. 3, 363. 2, 145. 1, 794. 562. 843.	645 299 20 411 594 385 209 539 458 857 3,622 2,276 1,925 573 889	447 218 606 517 89 6, 520	653 308 277 46 868 449 610 530 6, 270 3, 328 2, 442 1, 962 606 920	700 31.2 31 44 677 452 219 621 540 540 3, 947 2, 495 1, 993 619 930	98. 9 93. 5 150. 0 88. 0 99. 2 102. 1 93. 5 101. 4 101. 2 102. 6 91. 9 94. 6 96. 0 98. 5 99. 7	82. 8 200. 0 80. 0 89. 0 90. 2 86. 6 90. 7 91. 0 88. 9 80. 8 80. 8	62. 01 73. 6 71. 1 78. 8 75. 5 77. 6 63. 2 63. 2 63. 3 75. 8 85. 2	216. 7 60. 0 68. 6 65. 1 75. 6 65. 3 66. 8	69. 3 60. 8 233. 3 70. 0 75. 3 84. 3 60. 6 70. 3 62. 7 61. 8 70. 5 69. 8	77. 6 61. 4 266. 7 76. 0 82. 3 71. 7 73. 2 64. 1 69. 4 71. 7 69. 5 85. 7	64. 4 333. 3 82. 0 90. 5 87. 7 96. 3 76. 2 71. 0 69. 2 71. 0 473. 6 76. 9	400. 0 98. 0 101. 4 101. 8 100. 5 85. 7 87. 6 76. 1 78. 5 76. 8 81. 3	92.0 101.8 102.8 100.9 86.3	67. 2 516. 7 88. 0 102. 3 103. 0 100. 9 87. 8 91. 5 69. 2 77. 6 80. 8		
Government, total Federal State	710 4, 945 1, 398 392 1, 167	626 5, 070 1, 425 408 1, 194	505 5, 058 1, 444 431 1, 188	443 4, 905 1, 859 434 1, 111	408 4,391 1,222 414 934	396 4, 553 1, 415 427 954	4,959 1,678 473 976	5, 388 1, 893 531 1, 040	· 1	436 5, 928 1, 931 656 1, 204	444 6, 195 2, 074 681 1, 237	88. 2 102. 5 101. 9 104. 1 102. 3	103.3	62. 4 99. 2 97. 2 110. 7 95. 2	57, 5 88, 8 87, 4 105, 6 80, 0	55.8 92.1 101.2 108.9 81.7	54. 8 100. 3 120, 0 120. 7 83. 6	65. 2 109. 0 135. 4 135. 5 89. 1	136. 5	135.1 167.3	125. 3 148. 4		
Service, total	376 1, 612 6, 373 1, 224 2, 078 478 458	386 1,657 5,903 1,253 1,942 438 427	1, 698 364 382	377 1,624 4,075 1,095 1,336 293 307	1, 011 1, 158 259 277	1, 014 1, 408 283 312	1, 586 316 327	1, 763 355 349	1,984 410 379	368	1, 761 5, 463 1, 283 1, 871 413 375	102. 7 102. 8 92. 6 102. 4 93. 5 91. 6 93. 6	79. 9 97. 5 81. 7 76. 2 83. 8	100.3 100.7 63.9 89.5 64.3 61.3	\$8. 0 92. 4 57. 0 82. 6 55. 7 54. 2 60. 7	89. 6 88. 1 64. 6 82. 8 67. 8 59. 2 68. 4	93. 4 91. 9 70. 7 56. 4 76. 3 66. 1 71. 7	78 2 92.6 84.8 74.3 76.5	87. 0 99, 1 93. 1 85. 8 83. 1	82. 5 102. 4 87. 3 82. 4 80. 7	109, 2 85, 7 204, 7 90, 0 86, 4 82, 2		
Work-program wages	2, 137 2, 197	1, 843 2, 081	1, 457 1, 797 59	1, 044 1, 436 132	1,347	- 1	1, 218 1, 556 1, 339	· · I		1, 427 1, 784 2, 145	1, 521 1, 905 1, 869	86.2 94.7	68. 2 81. 8	48. 9 65. 4	43.3 61.3	51. 3 66. 3	57. 0 70. 8	64. 6 76. 7	75.3 84.2	66. 8 81. 2			
Employers' contribution to social security ther labor income	482	450	446	431	415	429	7 496	299 523		· 1	1. 1961	104. 2	103. 2	99.8	96. 1	99.8	114.8	121. i	138. 9	142. i	ī45. 1		

¹ Includes salaries and wages, work project wages, compensation for injuries, pensions granted under formal private plans, and contributions of employers to social security. The industrial classification covers only salaries and wages.

2 Does not include certain miscellaneous financial institutions which have been included in "Miscellaneous."

3 Does not include work project wages.

4 Includes religious, private educational, curative, legal, accounting, and engineering (consulting) activities.

5 Includes potential the production and exhibition, radio broadcasting, and other activities primarily providing entertainment.

6 Includes advertising agencies, trade associations, chambers of commerce, and other enterprises serving business establishments.

6 Includes domestic service, and various industries providing service on automobiles, radios, elevators, watches, and other commodities.